TEST RESULTS OF BITUMEN CONTENT AND GRADATION FOR BC
IS 2386 (Part 1) 1963 (RA 2011)

Lab ID	:	**CP-RW-2018-04-12-07**	**Date: 16-04-18**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, Bangalore	
Address	:	Vidyaranyapura Sub Division, Bangalore	
Project Name	:	Package No. 04 (Package consists of 28 works)	
Agency	:	M/s. Ram and company, Sri. C R GIRISH, No. 12, Patel Pillegowda layout, Ramachandrapura, Bangalore- 560013	
Customer Reference	:	BBMP/EE/BTP/WO/129/2017-18	
Source of Sample	:	Sample supplied by Agency	
Date of Receipt	:	12-04-18	
Sample ID No	:	2018-04-12-07	
Type of Mix	:	BC (Bituminous Concrete)	
Date of test	:	12-04-18	

Sl.no	Description	Index	Trail 1	Trail 2
1	Weight of the Sample	A	500	500
2	Weight of the sample After extraction	B	472	471
3	Bitumen percentage	$\frac{A-B}{A} \times 100$	5.60	5.80
4	Average percentage	%	5.7	

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

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Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

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Lab ID : **CP-RW-2018-04-12-07** **Date: 16-04-18**

Sample ID : **2018-04-12-07**

AFTER EXTRACTION - Trail-1

Total Weight of the Sample(gm) : 472

IS Sieve Size (mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Secified limits as per MORTH specification table 500-23(grading-2)
19	0	0	0.0	100.0	100
13.2	28	28	6.0	94.0	90-100
9.5	104	132	28.0	72.0	70-88
4.75	38	170	36.0	64.0	53-71
2.36	71	241	51.0	49.0	42-58
1.18	42	283	60.0	40.0	34-48
0.6	38	321	68.0	32.0	26-38
0.3	61	382	81.0	19.0	18-28
0.15	24	406	86.0	14.0	12-20
0.075	24	430	91.0	9.0	4-10

AFTER EXTRACTION - Trail-2

Total Weight of the Sample(gm) : 471

IS Sieve Size (mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Secified limits as per MORTH specification table 500-23(grading-2)
19	0	0	0.0	100.0	100
13.2	28	28.26	6.0	94.0	90-100
9.5	61	89.49	19.0	81.0	70-88
4.75	61	150.72	32.0	68.0	53-71
2.36	113	263.76	56.0	44.0	42-58
1.18	28	292.02	62.0	38.0	34-48
0.6	47	339.12	72.0	28.0	26-38
0.3	5	343.83	73.0	27.0	18-28
0.15	42	386.22	82.0	18.0	12-20
0.075	38	423.9	90.0	10.0	4-10

Note:

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TEST RESULTS OF BITUMEN CONTENT AND GRADATION FOR BC
IS 2386 (Part 1) 1963 (RA 2011)

Lab ID	:	**CP-RW-2018-04-13-06**	**Date: 16-04-18**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, Bangalore	
Address	:	Vidyaranyapura Sub Division, Bangalore	
Project Name	:	Package No. 04 (Package consists of 28 works)	
Agency	:	M/s. Ram and company, Sri. C R GIRISH, No. 12, Patel Pillegowda layout, Ramachandrapura, Bangalore- 560013	
Customer Reference	:	BBMP/EE/BTP/WO/129/2017-18	
Source of Sample	:	Sample supplied by Agency	
Date of Receipt	:	13-04-18	
Sample ID No	:	2018-04-13-06	
Type of Mix	:	BC (Bituminous Concrete)	
Date of test	:	13-04-18	

Sl.no	Description	Index	Trail 1	Trail 2
1	Weight of the Sample	A	500	500
2	Weight of the sample After extraction	B	473	472
3	Bitumen percentage	$\frac{A-B}{A} \times 100$	5.40	5.60
4	Average percentage	%	5.5	

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Lab ID : **CP-RW-2018-04-13-06** **Date: 16-04-18**

Sample ID : **2018-04-13-06**

AFTER EXTRACTION - Trail-1

Total Weight of the Sample(gm) : 473

IS Sieve Size (mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Secified limits as per MORTH specification table 500-23(grading-2)
19	0	0	0.0	100.0	100
13.2	47	47	10.0	90.0	90-100
9.5	33	80	16.9	83.1	70-88
4.75	113	193	40.8	59.2	53-71
2.36	19	212	44.8	55.2	42-58
1.18	47	259	54.8	45.2	34-48
0.6	47	306	64.7	35.3	26-38
0.3	75	382	80.7	19.3	18-28
0.15	9	391	82.6	17.4	12-20
0.075	52	443	93.6	6.4	4-10

AFTER EXTRACTION - Trail-2

Total Weight of the Sample(gm) : 472

IS Sieve Size (mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Secified limits as per MORTH specification table 500-23(grading-2)
19	0	0	0.0	100.0	100
13.2	42	42.3	9.0	91.0	90-100
9.5	28	70.5	14.9	85.1	70-88
4.75	108	178.6	37.8	62.2	53-71
2.36	47	225.6	47.8	52.2	42-58
1.18	33	258.5	54.8	45.2	34-48
0.6	71	329	69.7	30.3	26-38
0.3	24	352.5	74.7	25.3	18-28
0.15	33	385.4	81.7	18.3	12-20
0.075	66	451.2	95.6	4.4	4-10

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TEST RESULTS OF BITUMEN CONTENT AND GRADATION FOR BC
IS 2386 (Part 1) 1963 (RA 2011)

Lab ID	:	**CP-RW-2018-04-14-01**	**Date: 17-04-18**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, Bangalore	
Address	:	Vidyaranyapura Sub Division, Bangalore	
Project Name	:	Package No. 04 (Package consists of 28 works)	
Agency	:	M/s. Ram and company, Sri. C R GIRISH, No. 12, Patel Pillegowda layout, Ramachandrapura, Bangalore- 560013	
Customer Reference	:	BBMP/EE/BTP/WO/129/2017-18	
Source of Sample	:	Sample supplied by Agency	
Date of Receipt	:	14-04-18	
Sample ID No	:	2018-04-14-01	
Type of Mix	:	BC (Bituminous Concrete)	
Date of test	:	14-04-18	

Sl.no	Description	Index	Trail 1	Trail 2
1	Weight of the Sample	A	500	500
2	Weight of the sample After extraction	B	472	470
3	Bitumen percentage	$\frac{A-B}{A} \times 100$	5.60	6.00
4	Average percentage	%	5.8	

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Page 1/2

Assistant Executive Engineer
Vidyaranyapura Sub Division
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Lab ID : **CP-RW-2018-04-14-01** **Date: 17-04-18**

Sample ID : **2018-04-14-01**

AFTER EXTRACTION - Trail-1

Total Weight of the Sample(gm) : 472

IS Sieve Size (mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Secified limits as per MORTH specification table 500-23(grading-2)
19	0	0	0.0	100.0	100
13.2	24	24	5.0	95.0	90-100
9.5	104	128	27.1	72.9	70-88
4.75	95	223	47.2	52.8	53-71
2.36	24	246	52.2	47.8	42-58
1.18	47	294	62.3	37.7	34-48
0.6	14	308	65.3	34.7	26-38
0.3	76	384	81.3	18.7	18-28
0.15	5	389	82.3	17.7	12-20
0.075	57	446	94.4	5.6	4-10

AFTER EXTRACTION - Trail-2

Total Weight of the Sample(gm) : 470

IS Sieve Size (mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Secified limits as per MORTH specification table 500-23(grading-2)
19	0	0	0.0	100.0	100
13.2	5	4.75	1.0	99.0	90-100
9.5	67	71.25	15.2	84.8	70-88
4.75	95	166.25	35.4	64.6	53-71
2.36	62	228	48.5	51.5	42-58
1.18	76	304	64.7	35.3	34-48
0.6	29	332.5	70.7	29.3	26-38
0.3	14	346.75	73.8	26.2	18-28
0.15	62	408.5	86.9	13.1	12-20
0.075	43	451.25	96.0	4.0	4-10

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End of Report

TEST RESULTS OF BITUMEN CONTENT AND GRADATION FOR BC
IS 2386 (Part 1) 1963 (RA 2011)

Lab ID : CP-RW-2018-04-18-02 **Date: 20-04-18**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, Bangalore

Address : Vidyaranyapura Sub Division, Bangalore

Project Name : Package No. 04 (Package consists of 28 works)

Agency : M/s. Ram and company, Sri. C R GIRISH, No. 12, Patel Pillegowda layout, Ramachandrapura, Bangalore- 560013

Customer Reference : BBMP/EE/BTP/WO/129/2017-18

Source of Sample : Sample supplied by Agency

Date of Receipt : 18-04-18

Sample ID No : 2018-04-18-02

Type of Mix : BC (Bituminous Concrete)

Date of test : 18-04-18

Sl.no	Description	Index	Trail 1	Trail 2
1	Weight of the Sample	A	500	500
2	Weight of the sample After extraction	B	472	469
3	Bitumen percentage	$\frac{A-B}{A} \times 100$	5.60	6.20
4	Average percentage	%	5.9	

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Lab ID : **CP-RW-2018-04-18-02** **Date: 20-04-18**

Sample ID : **2018-04-18-02**

AFTER EXTRACTION - Trail-1

Total Weight of the Sample(gm) : 472

IS Sieve Size (mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Secified limits as per MORTH specification table 500-23(grading-2)
19	0	0	0.0	100.0	100
13.2	14	14	3.0	97.0	90-100
9.5	90	105	22.2	77.8	70-88
4.75	90	195	41.3	58.7	53-71
2.36	24	219	46.4	53.6	42-58
1.18	62	281	59.5	40.5	34-48
0.6	52	333	70.6	29.4	26-38
0.3	43	376	79.7	20.3	18-28
0.15	33	409	86.7	13.3	12-20
0.075	38	447	94.8	5.2	4-10

AFTER EXTRACTION - Trail-2

Total Weight of the Sample(gm) : 469

IS Sieve Size (mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Secified limits as per MORTH specification table 500-23(grading-2)
19	0	0	0.0	100.0	100
13.2	19	19.08	4.1	95.9	90-100
9.5	110	128.79	27.5	72.5	70-88
4.75	72	200.34	42.7	57.3	53-71
2.36	14	214.65	45.8	54.2	42-58
1.18	67	281.43	60.0	40.0	34-48
0.6	14	295.74	63.1	36.9	26-38
0.3	48	343.44	73.2	26.8	18-28
0.15	43	386.37	82.4	17.6	12-20
0.075	57	443.61	94.6	5.4	4-10

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TEST RESULTS OF BITUMEN CONTENT AND GRADATION FOR BC
IS 2386 (Part 1) 1963 (RA 2011)

Lab ID	:	**CP-RW-2018-04-17-03**	**Date: 19-04-18**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, Bangalore	
Address	:	Vidyaranyapura Sub Division, Bangalore	
Project Name	:	Package No. 04 (Package consists of 28 works)	
Agency	:	M/s. Ram and company, Sri. C R GIRISH, No. 12, Patel Pillegowda layout, Ramachandrapura, Bangalore- 560013	
Customer Reference	:	BBMP/EE/BTP/WO/129/2017-18	
Source of Sample	:	Sample supplied by Agency	
Date of Receipt	:	17-04-18	
Sample ID No	:	2018-04-17-03	
Type of Mix	:	BC (Bituminous Concrete)	
Date of test	:	17-04-18	

Sl.no	Description	Index	Trail 1	Trail 2
1	Weight of the Sample	A	500	500
2	Weight of the sample After extraction	B	470	473
3	Bitumen percentage	$\frac{A-B}{A} \times 100$	6.00	5.40
4	Average percentage	%	5.7	

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Lab ID : CP-RW-2018-04-17-03 **Date: 19-04-18**

Sample ID : 2018-04-17-03

AFTER EXTRACTION - Trail-1

Total Weight of the Sample(gm) : 470

IS Sieve Size (mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Secified limits as per MORTH specification table 500-23(grading-2)
19	0	0	0.0	100.0	100
13.2	31	31	6.6	93.4	90-100
9.5	41	72	15.4	84.6	70-88
4.75	160	233	49.5	50.5	53-71
2.36	57	290	61.6	38.4	42-58
1.18	16	305	64.9	35.1	34-48
0.6	78	383	81.4	18.6	26-38
0.3	5	388	82.5	17.5	18-28
0.15	31	419	89.1	10.9	12-20
0.075	57	476	101.2	-1.2	4-10

AFTER EXTRACTION - Trail-2

Total Weight of the Sample(gm) : 473

IS Sieve Size (mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Secified limits as per MORTH specification table 500-23(grading-2)
19	0	0	0.0	100.0	100
13.2	31	31.08	6.6	93.4	90-100
9.5	109	139.86	29.6	70.4	70-88
4.75	16	155.4	32.9	67.1	53-71
2.36	114	269.36	56.9	43.1	42-58
1.18	41	310.8	65.7	34.3	34-48
0.6	31	341.88	72.3	27.7	26-38
0.3	67	409.22	86.5	13.5	18-28
0.15	36	445.48	94.2	5.8	12-20
0.075	41	486.92	102.9	-2.9	4-10

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TEST RESULTS OF BITUMEN CONTENT AND GRADATION FOR BC
IS 2386 (Part 1) 1963 (RA 2011)

Lab ID	:	**CP-RW-2018-04-23-04**	**Date: 25-04-18**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, Bangalore	
Address	:	Vidyaranyapura Sub Division, Bangalore	
Project Name	:	Package No. 04 (Package consists of 28 works)	
Agency	:	M/s. Ram and company, Sri. C R GIRISH, No. 12, Patel Pillegowda layout, Ramachandrapura, Bangalore- 560013	
Customer Reference	:	BBMP/EE/BTP/WO/129/2017-18	
Source of Sample	:	Sample supplied by Agency	
Date of Receipt	:	23-04-18	
Sample ID No	:	2018-04-23-04	
Type of Mix	:	BC (Bituminous Concrete)	
Date of test	:	23-04-18	

Sl.no	Description	Index	Trail 1	Trail 2
1	Weight of the Sample	A	500	500
2	Weight of the sample After extraction	B	468	472
3	Bitumen percentage	$\frac{A-B}{A} \times 100$	6.40	5.60
4	Average percentage	%	6.0	

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Lab ID : **CP-RW-2018-04-23-04** **Date: 25-04-18**

Sample ID : **2018-04-23-04**

AFTER EXTRACTION - Trail-1

Total Weight of the Sample(gm) : 468

IS Sieve Size (mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Secified limits as per MORTH specification table 500-23(grading-2)
19	0	0	0.0	100.0	100
13.2	19	19	4.1	95.9	90-100
9.5	62	82	17.4	82.6	70-88
4.75	101	182	39.0	61.0	53-71
2.36	48	230	49.2	50.8	42-58
1.18	53	283	60.5	39.5	34-48
0.6	24	307	65.6	34.4	26-38
0.3	43	350	74.9	25.1	18-28
0.15	38	389	83.1	16.9	12-20
0.075	43	432	92.3	7.7	4-10

AFTER EXTRACTION - Trail-2

Total Weight of the Sample(gm) : 472

IS Sieve Size (mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Secified limits as per MORTH specification table 500-23(grading-2)
19	0	0	0.0	100.0	100
13.2	43	43.11	9.1	90.9	90-100
9.5	77	119.75	25.4	74.6	70-88
4.75	29	148.49	31.5	68.5	53-71
2.36	81	229.92	48.7	51.3	42-58
1.18	86	316.14	67.0	33.0	34-48
0.6	5	320.93	68.0	32.0	26-38
0.3	29	349.67	74.1	25.9	18-28
0.15	72	421.52	89.3	10.7	12-20
0.075	34	455.05	96.4	3.6	4-10

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TEST RESULTS OF BITUMEN CONTENT AND GRADATION FOR BC
IS 2386 (Part 1) 1963 (RA 2011)

Lab ID	:	**CP-RW-2018-04-20-03**	**Date: 23-04-18**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, Bangalore	
Address	:	Vidyaranyapura Sub Division, Bangalore	
Project Name	:	Package No. 04 (Package consists of 28 works)	
Agency	:	M/s. Ram and company, Sri. C R GIRISH, No. 12, Patel Pillegowda layout, Ramachandrapura, Bangalore- 560013	
Customer Reference	:	BBMP/EE/BTP/WO/129/2017-18	
Source of Sample	:	Sample supplied by Agency	
Date of Receipt	:	20-04-18	
Sample ID No	:	2018-04-20-03	
Type of Mix	:	BC (Bituminous Concrete)	
Date of test	:	20-04-18	

Sl.no	Description	Index	Trail 1	Trail 2
1	Weight of the Sample	A	500	500
2	Weight of the sample After extraction	B	473	469
3	Bitumen percentage	$\frac{A-B}{A} \times 100$	5.40	6.20
4	Average percentage	%	5.8	

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Lab ID : **CP-RW-2018-04-20-03** **Date: 23-04-18**

Sample ID : **2018-04-20-03**

AFTER EXTRACTION - Trail-1

Total Weight of the Sample(gm) : 473

IS Sieve Size (mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Secified limits as per MORTH specification table 500-23(grading-2)
19	0	0	0.0	100.0	100
13.2	17	17	3.6	96.4	90-100
9.5	68	85	17.9	82.1	70-88
4.75	170	254	53.8	46.2	53-71
2.36	6	260	54.9	45.1	42-58
1.18	62	322	68.1	31.9	34-48
0.6	96	418	88.4	11.6	26-38
0.3	40	458	96.8	3.2	18-28
0.15	11	469	99.1	0.9	12-20
0.075	68	537	113.5	-13.5	4-10

AFTER EXTRACTION - Trail-2

Total Weight of the Sample(gm) : 469

IS Sieve Size (mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Secified limits as per MORTH specification table 500-23(grading-2)
19	0	0	0.0	100.0	100
13.2	23	22.64	4.8	95.2	90-100
9.5	125	147.16	31.4	68.6	70-88
4.75	102	249.04	53.1	46.9	53-71
2.36	57	305.64	65.2	34.8	42-58
1.18	17	322.62	68.8	31.2	34-48
0.6	34	356.58	76.0	24.0	26-38
0.3	108	464.12	99.0	1.0	18-28
0.15	11	475.44	101.4	-1.4	12-20
0.075	68	543.36	115.9	-15.9	4-10

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

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End of Report

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TEST RESULTS OF BITUMEN CONTENT AND GRADATION FOR BC
IS 2386 (Part 1) 1963 (RA 2011)

Lab ID	:	**CP-RW-2018-04-19-10**	**Date: 21-04-18**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, Bangalore	
Address	:	Vidyaranyapura Sub Division, Bangalore	
Project Name	:	Package No. 04 (Package consists of 28 works)	
Agency	:	M/s. Ram and company, Sri. C R GIRISH, No. 12, Patel Pillegowda layout, Ramachandrapura, Bangalore- 560013	
Customer Reference	:	BBMP/EE/BTP/WO/129/2017-18	
Source of Sample	:	Sample supplied by Agency	
Date of Receipt	:	19-04-18	
Sample ID No	:	2018-04-19-10	
Type of Mix	:	BC (Bituminous Concrete)	
Date of test	:	19-04-18	

Sl.no	Description	Index	Trail 1	Trail 2
1	Weight of the Sample	A	500	500
2	Weight of the sample After extraction	B	466	471
3	Bitumen percentage	$\frac{A-B}{A} \times 100$	6.80	5.80
4	Average percentage	%	6.3	

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Lab ID : **CP-RW-2018-04-19-10** **Date: 21-04-18**

Sample ID : **2018-04-19-10**

AFTER EXTRACTION - Trail-1

Total Weight of the Sample(gm) : 466

IS Sieve Size (mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Secified limits as per MORTH specification table 500-23(grading-2)
19	0	0	0.0	100.0	100
13.2	28	28	6.1	93.9	90-100
9.5	73	102	21.8	78.2	70-88
4.75	102	203	43.6	56.4	53-71
2.36	96	299	64.1	35.9	42-58
1.18	6	305	65.4	34.6	34-48
0.6	62	367	78.7	21.3	26-38
0.3	79	446	95.6	4.4	18-28
0.15	28	474	101.7	-1.7	12-20
0.075	34	508	108.9	-8.9	4-10

AFTER EXTRACTION - Trail-2

Total Weight of the Sample(gm) : 471

IS Sieve Size (mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Secified limits as per MORTH specification table 500-23(grading-2)
19	0	0	0.0	100.0	100
13.2	23	22.6	4.8	95.2	90-100
9.5	45	67.8	14.4	85.6	70-88
4.75	158	226	48.0	52.0	53-71
2.36	73	299.45	63.6	36.4	42-58
1.18	17	316.4	67.2	32.8	34-48
0.6	45	361.6	76.8	23.2	26-38
0.3	96	457.65	97.2	2.8	18-28
0.15	34	491.55	104.4	-4.4	12-20
0.075	40	531.1	112.8	-12.8	4-10

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TEST RESULTS OF BITUMEN CONTENT AND GRADATION FOR BC
IS 2386 (Part 1) 1963 (RA 2011)

Lab ID	:	**CP-RW-2018-04-23-05**	**Date: 25-04-18**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, Bangalore	
Address	:	Vidyaranyapura Sub Division, Bangalore	
Project Name	:	Package No. 04 (Package consists of 28 works)	
Agency	:	M/s. Ram and company, Sri. C R GIRISH, No. 12, Patel Pillegowda layout, Ramachandrapura, Bangalore- 560013	
Customer Reference	:	BBMP/EE/BTP/WO/129/2017-18	
Source of Sample	:	Sample supplied by Agency	
Date of Receipt	:	23-04-18	
Sample ID No	:	2018-04-23-05	
Type of Mix	:	BC (Bituminous Concrete)	
Date of test	:	23-04-18	

Sl.no	Description	Index	Trail 1	Trail 2
1	Weight of the Sample	A	500	500
2	Weight of the sample After extraction	B	471	472
3	Bitumen percentage	$\frac{A-B}{A} \times 100$	5.80	5.60
4	Average percentage	%	5.7	

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Lab ID : CP-RW-2018-04-23-05 **Date: 25-04-18**

Sample ID : 2018-04-23-05

AFTER EXTRACTION - Trail-1

Total Weight of the Sample(gm) : 471

IS Sieve Size (mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Secified limits as per MORTH specification table 500-23(grading-2)
19	0	0	0.0	100.0	100
13.2	5	5	1.0	99.0	90-100
9.5	75	80	17.0	83.0	70-88
4.75	61	141	30.0	70.0	53-71
2.36	89	231	49.0	51.0	42-58
1.18	42	273	58.0	42.0	34-48
0.6	71	344	73.0	27.0	26-38
0.3	28	372	79.0	21.0	18-28
0.15	42	414	88.0	12.0	12-20
0.075	28	443	94.0	6.0	4-10

AFTER EXTRACTION - Trail-2

Total Weight of the Sample(gm) : 472

IS Sieve Size (mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Secified limits as per MORTH specification table 500-23(grading-2)
19	0	0	0.0	100.0	100
13.2	5	4.72	1.0	99.0	90-100
9.5	99	103.84	22.0	78.0	70-88
4.75	80	184.08	39.0	61.0	53-71
2.36	61	245.44	52.0	48.0	42-58
1.18	47	292.64	62.0	38.0	34-48
0.6	9	302.08	64.0	36.0	26-38
0.3	66	368.16	78.0	22.0	18-28
0.15	47	415.36	88.0	12.0	12-20
0.075	33	448.4	95.0	5.0	4-10

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TEST RESULTS OF BITUMEN CONTENT AND GRADATION FOR BC
IS 2386 (Part 1) 1963 (RA 2011)

Lab ID	:	**CP-RW-2018-05-05-02**	**Date: 07-05-18**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, Bangalore	
Address	:	Vidyaranyapura Sub Division, Bangalore	
Project Name	:	Package No. 04 (Package consists of 28 works)	
Agency	:	M/s. Ram and company, Sri. C R GIRISH, No. 12, Patel Pillegowda layout, Ramachandrapura, Bangalore- 560013	
Customer Reference	:	BBMP/EE/BTP/WO/129/2017-18	
Source of Sample	:	Sample supplied by Agency	
Date of Receipt	:	05-05-18	
Sample ID No	:	2018-05-05-02	
Type of Mix	:	BC (Bituminous Concrete)	
Date of test	:	05-05-18	

Sl.no	Description	Index	Trail 1	Trail 2
1	Weight of the Sample	A	500	500
2	Weight of the sample After extraction	B	471	471
3	Bitumen percentage	$\frac{A-B}{A} \times 100$	5.80	5.80
4	Average percentage	%	5.8	

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Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Lab ID : CP-RW-2018-05-05-02 **Date: 07-05-18**

Sample ID : 2018-05-05-02

AFTER EXTRACTION - Trail-1

Total Weight of the Sample(gm) : 471

IS Sieve Size (mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Secified limits as per MORTH specification table 500-23(grading-2)
19	0	0	0.0	100.0	100
13.2	5	5	1.0	99.0	90-100
9.5	80	85	18.0	82.0	70-88
4.75	113	198	42.0	58.0	53-71
2.36	19	217	46.0	54.0	42-58
1.18	28	245	52.0	48.0	34-48
0.6	66	311	66.0	34.0	26-38
0.3	42	353	75.0	25.0	18-28
0.15	33	386	82.0	18.0	12-20
0.075	38	424	90.0	10.0	4-10

AFTER EXTRACTION - Trail-2

Total Weight of the Sample(gm) : 471

IS Sieve Size (mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Secified limits as per MORTH specification table 500-23(grading-2)
19	0	0	0.0	100.0	100
13.2	47	47.3	10.0	90.0	90-100
9.5	47	94.6	20.1	79.9	70-88
4.75	76	170.28	36.2	63.8	53-71
2.36	43	212.85	45.2	54.8	42-58
1.18	57	269.61	57.2	42.8	34-48
0.6	71	340.56	72.3	27.7	26-38
0.3	24	364.21	77.3	22.7	18-28
0.15	14	378.4	80.3	19.7	12-20
0.075	57	435.16	92.4	7.6	4-10

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TEST RESULTS OF BITUMEN CONTENT AND GRADATION FOR BC
IS 2386 (Part 1) 1963 (RA 2011)

Lab ID	:	CP-RW-2018-05-07-03	**Date: 09-05-18**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, Bangalore	
Address	:	Vidyaranyapura Sub Division, Bangalore	
Project Name	:	Package No. 04 (Package consists of 28 works)	
Agency	:	M/s. Ram and company, Sri. C R GIRISH, No. 12, Patel Pillegowda layout, Ramachandrapura, Bangalore- 560013	
Customer Reference	:	BBMP/EE/BTP/WO/129/2017-18	
Source of Sample	:	Sample supplied by Agency	
Date of Receipt	:	07-05-18	
Sample ID No	:	2018-05-07-03	
Type of Mix	:	BC (Bituminous Concrete)	
Date of test	:	07-05-18	

Sl.no	Description	Index	Trail 1	Trail 2
1	Weight of the Sample	A	500	500
2	Weight of the sample After extraction	B	470	472
3	Bitumen percentage	$\frac{A-B}{A} \times 100$	6.00	5.60
4	Average percentage	%	5.8	

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Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Lab ID : CP-RW-2018-05-07-03 **Date: 09-05-18**

Sample ID : 2018-05-07-03

AFTER EXTRACTION - Trail-1

Total Weight of the Sample(gm) : 470

IS Sieve Size (mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Secified limits as per MORTH specification table 500-23(grading-2)
19	0	0	0.0	100.0	100
13.2	43	43	9.1	90.9	90-100
9.5	43	86	18.3	81.7	70-88
4.75	86	172	36.5	63.5	53-71
2.36	105	277	58.9	41.1	42-58
1.18	0	277	58.9	41.1	34-48
0.6	19	296	62.9	37.1	26-38
0.3	81	377	80.2	19.8	18-28
0.15	10	386	82.2	17.8	12-20
0.075	57	444	94.4	5.6	4-10

AFTER EXTRACTION - Trail-2

Total Weight of the Sample(gm) : 472

IS Sieve Size (mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Secified limits as per MORTH specification table 500-23(grading-2)
19	0	0	0.0	100.0	100
13.2	42	42.48	9.0	91.0	90-100
9.5	57	99.12	21.0	79.0	70-88
4.75	42	141.6	30.0	70.0	53-71
2.36	109	250.16	53.0	47.0	42-58
1.18	33	283.2	60.0	40.0	34-48
0.6	24	306.8	65.0	35.0	26-38
0.3	33	339.84	72.0	28.0	18-28
0.15	61	401.2	85.0	15.0	12-20
0.075	33	434.24	92.0	8.0	4-10

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TEST RESULTS OF BITUMEN CONTENT AND GRADATION FOR BC
IS 2386 (Part 1) 1963 (RA 2011)

Lab ID : **CP-RW-2018-05-02-11** **Date: 04-05-18**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, Bangalore

Address : Vidyaranyapura Sub Division, Bangalore

Project Name : Package No. 04 (Package consists of 28 works)

Agency : M/s. Ram and company, Sri. C R GIRISH, No. 12, Patel Pillegowda layout, Ramachandrapura, Bangalore- 560013

Customer Reference : BBMP/EE/BTP/WO/129/2017-18

Source of Sample : Sample supplied by Agency

Date of Receipt : 02-05-18

Sample ID No : 2018-05-02-11

Type of Mix : BC (Bituminous Concrete)

Date of test : 02-05-18

Sl.no	Description	Index	Trail 1	Trail 2
1	Weight of the Sample	A	500	500
2	Weight of the sample After extraction	B	473	471
3	Bitumen percentage	$\frac{A-B}{A} \times 100$	5.40	5.80
4	Average percentage	%	5.6	

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Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Lab ID : CP-RW-2018-05-02-11

Sample ID : 2018-05-02-11

Date: 04-05-18

AFTER EXTRACTION - Trail-1

Total Weight of the Sample(gm) : 473

IS Sieve Size (mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Secified limits as per MORTH specification table 500-23(grading-2)
19	0	0	0.0	100.0	100
13.2	5	5	1.0	99.0	90-100
9.5	76	80	17.0	83.0	70-88
4.75	128	208	44.0	56.0	53-71
2.36	9	218	46.0	54.0	42-58
1.18	61	279	59.0	41.0	34-48
0.6	66	345	73.0	27.0	26-38
0.3	33	378	80.0	20.0	18-28
0.15	19	397	84.0	16.0	12-20
0.075	47	445	94.0	6.0	4-10

AFTER EXTRACTION - Trail-2

Total Weight of the Sample(gm) : 471

IS Sieve Size (mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Secified limits as per MORTH specification table 500-23(grading-2)
19	0	0	0.0	100.0	100
13.2	33	33.25	7.1	92.9	90-100
9.5	109	142.5	30.3	69.7	70-88
4.75	38	180.5	38.3	61.7	53-71
2.36	86	266	56.5	43.5	42-58
1.18	29	294.5	62.5	37.5	34-48
0.6	48	342	72.6	27.4	26-38
0.3	0	342	72.6	27.4	18-28
0.15	43	384.75	81.7	18.3	12-20
0.075	52	437	92.8	7.2	4-10

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TEST RESULTS OF BITUMEN CONTENT AND GRADATION FOR BC
IS 2386 (Part 1) 1963 (RA 2011)

Lab ID : **CP-RW-2018-05-07-04** **Date: 09-05-18**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, Bangalore

Address : Vidyaranyapura Sub Division, Bangalore

Project Name : Package No. 04 (Package consists of 28 works)

Agency : M/s. Ram and company, Sri. C R GIRISH, No. 12, Patel Pillegowda layout, Ramachandrapura, Bangalore- 560013

Customer Reference : BBMP/EE/BTP/WO/129/2017-18

Source of Sample : Sample supplied by Agency

Date of Receipt : 07-05-18

Sample ID No : 2018-05-07-04

Type of Mix : BC (Bituminous Concrete)

Date of test : 07-05-18

Sl.no	Description	Index	Trail 1	Trail 2
1	Weight of the Sample	A	500	500
2	Weight of the sample After extraction	B	473	466
3	Bitumen percentage	$\frac{A-B}{A} \times 100$	5.40	6.80
4	Average percentage	%	6.1	

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Assistant Executive Engineer
Vidyaranyapura Sub Division
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Lab ID : CP-RW-2018-05-07-04 **Date: 09-05-18**

Sample ID : 2018-05-07-04

AFTER EXTRACTION - Trail-1

Total Weight of the Sample(gm) : 473

IS Sieve Size (mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Secified limits as per MORTH specification table 500-23(grading-2)
19	0	0	0.0	100.0	100
13.2	33	33	7.0	93.0	90-100
9.5	52	85	18.0	82.0	70-88
4.75	104	189	40.0	60.0	53-71
2.36	52	241	51.0	49.0	42-58
1.18	14	255	54.0	46.0	34-48
0.6	57	312	66.0	34.0	26-38
0.3	28	341	72.0	28.0	18-28
0.15	76	416	88.0	12.0	12-20
0.075	19	435	92.0	8.0	4-10

AFTER EXTRACTION - Trail-2

Total Weight of the Sample(gm) : 466

IS Sieve Size (mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Secified limits as per MORTH specification table 500-23(grading-2)
19	0	0	0.0	100.0	100
13.2	9	9.48	2.0	98.0	90-100
9.5	57	66.36	14.2	85.8	70-88
4.75	133	199.08	42.7	57.3	53-71
2.36	24	222.78	47.8	52.2	42-58
1.18	85	308.1	66.1	33.9	34-48
0.6	28	336.54	72.2	27.8	26-38
0.3	47	383.94	82.4	17.6	18-28
0.15	33	417.12	89.5	10.5	12-20
0.075	38	455.04	97.6	2.4	4-10

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Quality Manager

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Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

TEST RESULTS OF BITUMEN CONTENT AND GRADATION FOR BC
IS 2386 (Part 1) 1963 (RA 2011)

Lab ID : CP-RW-2018-05-10-02 **Date: 14-05-18**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, Bangalore

Address : Vidyaranyapura Sub Division, Bangalore

Project Name : Package No. 04 (Package consists of 28 works)

Agency : M/s. Ram and company, Sri. C R GIRISH, No. 12, Patel Pillegowda layout, Ramachandrapura, Bangalore- 560013

Customer Reference : BBMP/EE/BTP/WO/129/2017-18

Source of Sample : Sample supplied by Agency

Date of Receipt : 10-05-18

Sample ID No : 2018-05-10-02

Type of Mix : BC (Bituminous Concrete)

Date of test : 10-05-18

Sl.no	Description	Index	Trail 1	Trail 2
1	Weight of the Sample	A	500	500
2	Weight of the sample After extraction	B	473	470
3	Bitumen percentage	$\frac{A-B}{A} \times 100$	5.40	6.00
4	Average percentage	%	5.7	

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

CIVIL PRO Sig..... Date..... BANGALORE

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Lab ID : **CP-RW-2018-05-10-02**

Sample ID : **2018-05-10-02**

Date: 14-05-18

AFTER EXTRACTION - Trail-1

Total Weight of the Sample(gm) : 473

IS Sieve Size (mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Secified limits as per MORTH specification table 500-23(grading-2)
19	0	0	0.0	100.0	100
13.2	43	43	9.0	91.0	90-100
9.5	19	61	13.0	87.0	70-88
4.75	123	184	39.0	61.0	53-71
2.36	28	213	45.0	55.0	42-58
1.18	99	312	66.0	34.0	34-48
0.6	0	312	66.0	34.0	26-38
0.3	33	345	73.0	27.0	18-28
0.15	43	388	82.0	18.0	12-20
0.075	52	440	93.0	7.0	4-10

AFTER EXTRACTION - Trail-2

Total Weight of the Sample(gm) : 470

IS Sieve Size (mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Secified limits as per MORTH specification table 500-23(grading-2)
19	0	0	0.0	100.0	100
13.2	47	47.4	10.1	89.9	90-100
9.5	66	113.76	24.2	75.8	70-88
4.75	57	170.64	36.3	63.7	53-71
2.36	57	227.52	48.4	51.6	42-58
1.18	19	246.48	52.4	47.6	34-48
0.6	66	312.84	66.6	33.4	26-38
0.3	62	374.46	79.7	20.3	18-28
0.15	14	388.68	82.7	17.3	12-20
0.075	57	445.56	94.8	5.2	4-10

Note:

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TEST RESULTS OF BITUMEN CONTENT AND GRADATION FOR BC
IS 2386 (Part 1) 1963 (RA 2011)

Lab ID : **CP-RW-2018-05-14-02** **Date: 16-05-18**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, Bangalore

Address : Vidyaranyapura Sub Division, Bangalore

Project Name : Package No. 04 (Package consists of 28 works)

Agency : M/s. Ram and company, Sri. C R GIRISH, No. 12, Patel Pillegowda layout, Ramachandrapura, Bangalore- 560013

Customer Reference : BBMP/EE/BTP/WO/129/2017-18

Source of Sample : Sample supplied by Agency

Date of Receipt : 14-05-18

Sample ID No : 2018-05-14-02

Type of Mix : BC (Bituminous Concrete)

Date of test : 14-05-18

Sl.no	Description	Index	Trail 1	Trail 2
1	Weight of the Sample	A	500	500
2	Weight of the sample After extraction	B	470	472
3	Bitumen percentage	$\frac{A-B}{A} \times 100$	6.00	5.60
4	Average percentage	%	5.8	

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R KARTHIK RECHAN
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Quality Manager

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Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

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Lab ID : **CP-RW-2018-05-14-02**

Sample ID : **2018-05-14-02**

Date: 16-05-18

AFTER EXTRACTION - Trail-1

Total Weight of the Sample(gm) : 470

IS Sieve Size (mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Secified limits as per MORTH specification table 500-23(grading-2)
19	0	0	0.0	100.0	100
13.2	38	38	8.0	92.0	90-100
9.5	56	94	20.0	80.0	70-88
4.75	52	146	31.0	69.0	53-71
2.36	103	249	53.0	47.0	42-58
1.18	19	268	57.0	43.0	34-48
0.6	71	338	72.0	28.0	26-38
0.3	9	348	74.0	26.0	18-28
0.15	56	404	86.0	14.0	12-20
0.075	42	447	95.0	5.0	4-10

AFTER EXTRACTION - Trail-2

Total Weight of the Sample(gm) : 472

IS Sieve Size (mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Secified limits as per MORTH specification table 500-23(grading-2)
19	0	0	0.0	100.0	100
13.2	14	14.16	3.0	97.0	90-100
9.5	123	136.88	29.0	71.0	70-88
4.75	19	155.76	33.0	67.0	53-71
2.36	90	245.44	52.0	48.0	42-58
1.18	24	269.04	57.0	43.0	34-48
0.6	24	292.64	62.0	38.0	26-38
0.3	57	349.28	74.0	26.0	18-28
0.15	61	410.64	87.0	13.0	12-20
0.075	42	453.12	96.0	4.0	4-10

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TEST RESULTS OF BITUMEN CONTENT AND GRADATION FOR BC
IS 2386 (Part 1) 1963 (RA 2011)

Lab ID : **CP-RW-2018-05-04-02** **Date: 07-05-18**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, Bangalore

Address : Vidyaranyapura Sub Division, Bangalore

Project Name : Package No. 04 (Package consists of 28 works)

Agency : M/s. Ram and company, Sri. C R GIRISH, No. 12, Patel Pillegowda layout, Ramachandrapura, Bangalore- 560013

Customer Reference : BBMP/EE/BTP/WO/129/2017-18

Source of Sample : Sample supplied by Agency

Date of Receipt : 04-05-18

Sample ID No : 2018-05-04-02

Type of Mix : BC (Bituminous Concrete)

Date of test : 04-05-18

Sl.no	Description	Index	Trail 1	Trail 2
1	Weight of the Sample	A	500	500
2	Weight of the sample After extraction	B	472	470
3	Bitumen percentage	$\frac{A-B}{A} \times 100$	5.60	6.00
4	Average percentage	%	5.8	

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Quality Manager

CIVIL Pro Sig..... Date..... BANGALORE

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Lab ID : CP-RW-2018-05-04-02
Sample ID : 2018-05-04-02
Date: 07-05-18

AFTER EXTRACTION - Trail-1

Total Weight of the Sample(gm) : 472

IS Sieve Size (mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Secified limits as per MORTH specification table 500-23(grading-2)
19	0	0	0.0	100.0	100
13.2	19	19	4.0	96.0	90-100
9.5	57	76	16.0	84.0	70-88
4.75	99	175	37.0	63.0	53-71
2.36	76	250	53.0	47.0	42-58
1.18	47	297	63.0	37.0	34-48
0.6	14	312	66.0	34.0	26-38
0.3	47	359	76.0	24.0	18-28
0.15	19	378	80.0	20.0	12-20
0.075	76	453	96.0	4.0	4-10

AFTER EXTRACTION - Trail-2

Total Weight of the Sample(gm) : 470

IS Sieve Size (mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Secified limits as per MORTH specification table 500-23(grading-2)
19	0	0	0.0	100.0	100
13.2	38	37.6	8.0	92.0	90-100
9.5	19	56.4	12.0	88.0	70-88
4.75	132	188	40.0	60.0	53-71
2.36	56	244.4	52.0	48.0	42-58
1.18	28	272.6	58.0	42.0	34-48
0.6	52	324.3	69.0	31.0	26-38
0.3	24	347.8	74.0	26.0	18-28
0.15	52	399.5	85.0	15.0	12-20
0.075	38	437.1	93.0	7.0	4-10

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TEST RESULTS OF BITUMEN CONTENT AND GRADATION FOR BC
IS 2386 (Part 1) 1963 (RA 2011)

Lab ID : **CP-RW-2018-05-16-01** **Date: 18-05-18**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, Bangalore

Address : Vidyaranyapura Sub Division, Bangalore

Project Name : Package No. 04 (Package consists of 28 works)

Agency : M/s. Ram and company, Sri. C R GIRISH, No. 12, Patel Pillegowda layout, Ramachandrapura, Bangalore- 560013

Customer Reference : BBMP/EE/BTP/WO/129/2017-18

Source of Sample : Sample supplied by Agency

Date of Receipt : 16-05-18

Sample ID No : 2018-05-16-01

Type of Mix : BC (Bituminous Concrete)

Date of test : 16-05-18

Sl.no	Description	Index	Trail 1	Trail 2
1	Weight of the Sample	A	500	500
2	Weight of the sample After extraction	B	472	469
3	Bitumen percentage	$\frac{A-B}{A} \times 100$	5.60	6.20
4	Average percentage	%	5.9	

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Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Lab ID : **CP-RW-2018-05-16-01** **Date: 18-05-18**

Sample ID : **2018-05-16-01**

AFTER EXTRACTION - Trail-1

Total Weight of the Sample(gm) : 472

IS Sieve Size (mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Secified limits as per MORTH specification table 500-23(grading-2)
19	0	0	0.0	100.0	100
13.2	14	14	3.0	97.0	90-100
9.5	71	86	18.1	81.9	70-88
4.75	105	190	40.3	59.7	53-71
2.36	14	204	43.3	56.7	42-58
1.18	57	261	55.3	44.7	34-48
0.6	90	352	74.5	25.5	26-38
0.3	5	356	75.5	24.5	18-28
0.15	24	380	80.5	19.5	12-20
0.075	71	451	95.6	4.4	4-10

AFTER EXTRACTION - Trail-2

Total Weight of the Sample(gm) : 469

IS Sieve Size (mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Secified limits as per MORTH specification table 500-23(grading-2)
19	0	0	0.0	100.0	100
13.2	47	47.3	10.1	89.9	90-100
9.5	14	61.49	13.1	86.9	70-88
4.75	137	198.66	42.4	57.6	53-71
2.36	9	208.12	44.4	55.6	42-58
1.18	66	274.34	58.5	41.5	34-48
0.6	24	297.99	63.5	36.5	26-38
0.3	61	359.48	76.6	23.4	18-28
0.15	19	378.4	80.7	19.3	12-20
0.075	57	435.16	92.8	7.2	4-10

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Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

TEST RESULTS OF BITUMEN CONTENT AND GRADATION FOR BC
IS 2386 (Part 1) 1963 (RA 2011)

Lab ID : **CP-RW-2018-04-30-06** **Date: 03-05-18**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, Bangalore

Address : Vidyaranyapura Sub Division, Bangalore

Project Name : Package No. 04 (Package consists of 28 works)

Agency : M/s. Ram and company, Sri. C R GIRISH, No. 12, Patel Pillegowda layout, Ramachandrapura, Bangalore- 560013

Customer Reference : BBMP/EE/BTP/WO/129/2017-18

Source of Sample : Sample supplied by Agency

Date of Receipt : 30-04-18

Sample ID No : 2018-04-30-06

Type of Mix : BC (Bituminous Concrete)

Date of test : 30-04-18

Sl.no	Description	Index	Trail 1	Trail 2
1	Weight of the Sample	A	500	500
2	Weight of the sample After extraction	B	473	470
3	Bitumen percentage	$\frac{A-B}{A} \times 100$	5.40	6.00
4	Average percentage	%	5.7	

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Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Lab ID : **CP-RW-2018-04-30-06** **Date: 03-05-18**

Sample ID : **2018-04-30-06**

AFTER EXTRACTION - Trail-1

Total Weight of the Sample(gm) : 473

IS Sieve Size (mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Secified limits as per MORTH specification table 500-23(grading-2)
19	0	0	0.0	100.0	100
13.2	14	14	3.0	97.0	90-100
9.5	105	119	25.1	74.9	70-88
4.75	81	200	42.2	57.8	53-71
2.36	76	276	58.2	41.8	42-58
1.18	10	285	60.3	39.7	34-48
0.6	14	299	63.3	36.7	26-38
0.3	48	347	73.3	26.7	18-28
0.15	52	399	84.4	15.6	12-20
0.075	52	451	95.4	4.6	4-10

AFTER EXTRACTION - Trail-2

Total Weight of the Sample(gm) : 470

IS Sieve Size (mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Secified limits as per MORTH specification table 500-23(grading-2)
19	0	0	0.0	100.0	100
13.2	14	14.1	3.0	97.0	90-100
9.5	52	65.8	14.0	86.0	70-88
4.75	136	202.1	43.0	57.0	53-71
2.36	28	230.3	49.0	51.0	42-58
1.18	19	249.1	53.0	47.0	34-48
0.6	75	324.3	69.0	31.0	26-38
0.3	38	361.9	77.0	23.0	18-28
0.15	14	376	80.0	20.0	12-20
0.075	52	427.7	91.0	9.0	4-10

Note:

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Page 2/2
End of Report

Assistant Executive Engineer
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